

FINNEGAN, HENDERSON, FARABOW, GARRETT & DUNNER, L.L.P.

1300 I Street, N.W.
Washington, D.C. 20005-3315
(202) 408-4000

Telex RCA 248740 FHFGD Facsimile (202) 408-4400

FACSIMILE TRANSMITTAL

Subject: SN 08/529,767 Our Ref: 04121.003-02000	Date: <u>December 5, 1997</u>				
то	FROM				
Name: Examiner Eggerton Campbe	Name: M. Paul Barker				
Firm: U.S. PTO	No. of Pages (inc. this page) 5				
Fax No.: (703) 305-7401	_ Attorney Approval				
Message:					
I hereby certify that the for facsimile, in the United States December 5, 1997.	ollowing documents are being filed, via States Patent and Trademark Office on				
1. Submission of PTO	Form 1449				
2. Form PTO-1449					
mland but	December 5, 1997				
M. Paul Barker Registration No. 32,013	Date				

This facsimile is intended only for the individual to whom it is addressed and may contain information that is privileged, confidential or exempt from disclosure under applicable law. If you have received this facsimile in error, please notify us immediately by telephone (collect), and return the

PATENT Attorney Dock t No. 04121.0003-02000

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:)
Sorge et al.	
Serial No.: 08/529,767) Group Art Unit: 1807
Filed: September 18, 1995) Examiner: Eggerton Campbell
For: NOVEL POLYMERAS COMPOSITIONS AND USES THEREOF	I I

Assistant Commissioner for Patents Washington, D.C. 20231

Sir:

SUBMISSION OF PTO FORM 1449

The present application claims the benefits under 35 U.S.C. § 120 of prior U.S. application Serial No. 08/197,791 (the '791 application), which is now U.S. Patent No. 5,556,772 (the '772 patent). Although the present application was named a divisional application of the '791 application when it was filed, it is actually a continuation application, since the presently pending claims are directed to the same group of claims as those in the '791 application, namely kits and methods of amplifying. In fact, applicants filed a terminal disclaimer in the present application in view of the '772 patent, and amended the first sentence of the specification on December 2, 1996, to reflect the continuation relationship.

Since the present application is a continuation application, under M.P.E.P. 609, applicants understand that Examiner Campbell has considered the information submitted in the '791 application (the '772 patent). Under M.P.E.P. 609, applicants

INNECAN, HENDERSON, FARABOW, GARRETT

8 DUNNER, L.L.P.
1300 I STREET, N. W.
145MINGTON, D. C. 2000B
202 408-4000 submit a PTO Form 1449 which cites the information of record in the '791 application, so that information will be printed on the face of the patent issuing from the present application. Since the Examiner has already considered this information, applicants request that the Examiner now initial the enclosed PTO form so that this information will be printed on the face of the patent.

If any extension of time under 37 C.F.R. § 1.136 is required to obtain entry of this response, such extension is hereby respectfully requested. If there are any fees due which are not enclosed herewith, including any fees required for an extension of time under 37 C.F.R. § 1.136, please charge such fees to our Deposit Account No. 06-0916.

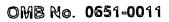
Respectfully submitted,

FINNEGAN, HENDERSON, FARABOW, GARRETT & DUNNER, L.L.P.

M. Paul Barker

Reg. No. 32,013

Dated: December 5, 1997





INFORMATION DISCLOSURE CITATION (Use several sheets if necessary)

Atty. Docket No.	04121.0003-02000	Serial No.	08/529,767					
Applicant	SORGE et al.							
Filing Date	September 18, 1995		Group	1807				
	U	i.s. patent i	OCUMENTS					
Examiner Initial	Document Number	Date	Name	Class	Sub Class	Filing Date If Appropriate		
	FORE	ign paten	T DOCUMENTS		<u></u>			
	Document Number	Date	Country	Class	Sub Class	Translation Yes r №		
	OTHER DOCUMENTS (In	ncluding Auth	or, Title, Date, Per	tinent Page:	s, Etc.)			
(P)	Jones, C.H. et al., "DNA	Mutagenesis a	and Recombination	" <u>Nature</u> 344	(6268):793	794 (1990).		
	Kunkel, Thomas A., "Ra Proceedings of the Nation	pid and Efficier onal Academy	nt Site-Specific Muta of <u>Sciences, USA</u> 8	agenesis Wit 2:488-492 (1	hout Pheno 985).	typic Selection,"		
	Landt, Olfert et al., "A G Chain Reaction," Gene	dt, Olfert et al., "A General Method for Rapid Site-Directed Mutagenesis Using the Polymerase ain Reaction," Gene 96:125-128 (1990).						
	Nassal, Michael and Rie Mismatched 3'-ends."	al, Michael and Rieger, Andrea, "PCR-Based Site-Directed Mutagenesis Using Primers with atched 3'-ends."						
	Nelson, Richard M. and Modification of the <i>Ther</i> 180:147-151 (1989).	Long, George mus Aquaticus	L., "A General Meth Polymerase Chain	nod of Site-S Reaction," <u>&</u>	pecific Muta inalytical Bio	igenesis Using a ochemistry		
	Taylor, John W. et al., "Frequency Using Phosp (1985).	The Rapid Gen phorothioate-Mo	eration of Oligonuc odified DNA," <u>Nucle</u>	leotide-Direc ic Acids Res	ted Mutatio earch 13(24	ns as High 4):8765-8775		
	Vallete, Francois et al., Reaction," Nucleic Acid	"Construction of Research 17	of Mutant and Chim (2):723-733 (1989).	eric Genes L	Ising the Po	ymerase Chain		
	Vandeyar, Mark A. et al Directed Mutants," <u>Gen</u>	I., "A Simple an <u>e</u> 65:129-133 (d Rapid Method for 1989).	the Selection	n of Oligode	eoxynucleitide-		
	Watkins, Brynmor A. et al., "A Rapid Method for Site-Specific Mutagenesis Using Larger Plasmids as Templates," <u>BioTechniques</u> 15(4):700-704 (1993).							
	Weiner, Michael P. et a Stranded DNA," <u>Gene</u>	il., "A Method fo 126:35-41 (199	or the Site-Directed (3).	Mono- and P	Aulti-Mutage	enesis of Double		
	Yao, Zhengbin et al., "S Sites by Recombination (1992).	Site-Directed M n Polymerase 0	utagenesis of Herp Chaln Reaction," <u>PC</u>	esvirus Glyco CR Methods	oprotein Pho and Applica	osphorylation tions 1(3):205-20		



FHFP42

OMB No. 0651-0011

INFORMATION DISCLOSURE CITATION (Use several sheets if necessary)

Atty. Docket No.	04121.0003-02000	4121.0003-02000			08/529,767			
Applicant	SORGE et al.							
Filing Date	September 18, 1995		Group	1807				
U.S. PATENT DOCUMENTS								
Examiner Initial*	Document Number	Date	Name	Class	Sub Class	Filing Date If Appropriate		
40	5,436,149	07/25/95	Barnes	435	194	02/19/93		
	-FOREIG	SN PATENT	DOCUMENTS					
	Document Number	Date	Country	Class	Sub Class	Translation Yes or No		
40	WO 92/09689	06/11/92	PCT					
411	EP 502589 A2	09/09/92	EPO					
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)								
48,	Ohler et al., PCR Methods a	nd Applicatio	ns 2:51-59 (1992).					
Zhu, Yu Sheng et al., "The Use of Exonuclease III for Polymerase Chain Reaction Sterilization," Nucleic Acids Research 19(9):2511 (1991).								
·	Clark, J.M. et al., "Novel Blu Escherichia coli," <u>Journal of</u>	Clark, J.M. et al., "Novel Blunt-End Addition Reactions Catalyzed by DNA Polymerase I of Escherichia coli," Journal of Molecular Biology 198:123-127 (1987).						
		Clark, James M., "Novel Non-Templated Nucleotide Addition Reactions Catalyzed by Procaryotic and Eucaryotic DNA Polymerases," Nucleic Acids Research 16:9677-9686 (1988).						
		Deng, Win Ping and Nickoloff, Jac A. "Site-Directed Mutagenesis of Virtually any Plasmid by Eliminating a Unique Site," <u>Analytical Biochemistry</u> 200:81-88 (1992).						
	Hall, Len and Emery, David C. "A Rapid and Efficient Method for Site-Directed Mutagenesis by PCR, Using Biotinylated Universal Primers and Streptavidin-Coated Magnetic Bead," <u>Protein Engineering</u> 4(5):601.							
Hemsley, Anne et al., "A Simple Method for Site-Directed Mutagenesis Using the Polymerase Using the Polymerase Chain Reaction," Nucleic Acids Research 17(16):6545-6551 (1989).								
	Ho, Steffan N. et al., "Site-Directed Mutagenesis by Overlap Extension Using the Polymerase Chain Reaction," Gene 77(1):51-59 (1989).							
	Hu, Gengxi, "DNA Polymerase-Catalyzed Addition of Nontemplated Extra Nucleotides to the 3' End of a DNA Fragement," DNA and Cell Biology 12:(8):763-770 (1993).							
		Hultman, Thomas et al., "Solid Phase in vitro Mutagenesis Using Plasmid DNA template," Nucleic Acids Research 18(17):5107-5111 (1990).						
Jones, Douglas H. and Winistorfer, Stanley C., "Recombinant Circle PCR and Recombination PCR for Site-SpecificMutagenesis Without PCR Product Purification," BioTechniques 12(4):528-533 (1992).								
Examiner	SARUTO A MARCH	\mathcal{I}	Date Considered	4/2	4 98			
"Examiner: Initial it reference considered, whether or not citation is in conformance with MPEP 609; draw line through								

Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.